

WHAT IS CLAIMED IS:

1. Apparatus for producing a tire reinforcement formed from a thread delivered continuously and on request by an appropriate dispenser, the apparatus being intended to be used in cooperation with a substantially toroidal form on which the reinforcement is progressively constructed by laying hoops of the thread on a desired thread path on the surface of the form, the apparatus comprising:

a guiding member in which the thread can slide freely;

a single oscillating arm, moving about a geometrical axis of rotation, the end of the oscillating arm supporting the guiding member;

a control for imparting an oscillatory movement to the oscillating arm so that the guiding member is transported in a cyclical movement described in a movement plane, to and fro, in order to bring the guiding member in successive cycles into the vicinity of each of the desired ends for the thread in the thread path;

a presser close to each end of the thread path, for applying the thread to the form at the said ends, acting in synchronism with the cyclical movement of the guiding member; and

the oscillating arm comprising, in its terminal part, a spout curved towards the form, the spout directly supporting the guiding member so as to bring the guiding member close to the form at least in the configuration assumed by the apparatus when the guiding member is close to the end of the thread path.

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2. Apparatus according to Claim 1, in which the geometrical axis of rotation of the oscillating arm intersects the form in the working position.
3. Apparatus according to Claim 1, in which the base of the oscillating arm is substantially oriented perpendicularly to the geometrical axis of rotation of the oscillating arm, the oscillating arm having at least one intermediate part oriented substantially parallel to the geometrical axis of rotation of the oscillating arm.
4. Apparatus according to Claim 1, in which the guiding member comprises an orifice at the end of the oscillating arm, the oscillating arm being hollow and having the thread passing therethrough.

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